

Emerging Trends in Broadband Technologies-Next Generation Access (NGA)

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Abstract

This presentation describes emerging trends in Broadband technologies leading to flux in Telecom Ecosystem. It focuses on various access technologies in the NGN domain enabling the growth of broadband in a technology -agnostic manner. Various access technologies like those making use of existing infrastructure ie. XDSL, Cable TV networks, new infrastructures like FTTH and Carrier Ethernet and wireless based access including the DTH and VSAT based access has been discussed and compared.

Detailed discussion on emerging broadband wireless technologies specially Wimax and its various variants as well Beyond 3G technologies has been included.

Trends in innovative spectrum management for its more effective utilisation for BWA as well as allocation and pricing mechanisms are discussed. In the end the role of BWA to enable FMC(Fixed Mobile Convergence) with a view to reduce demand on the licensed spectrum for voice has also been demonstrated.